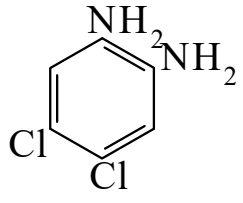
>>**Entry Name: 1,2-Diamino-4,5-dichlorobenzene**
Synonym(s): 4,5-Dichloro-1,2-benzenediamine, 9Cl. 4,5-Dichloro-*o*-phenylenediamine, 8Cl



CAS Registry Number: 5348-42-5

Molecular Formula: $C_6H_6Cl_2N_2$
Molecular Weight: 177.032
Accurate Mass: 175.990802
Percentage Composition: C 40.71%; H 3.42%; Cl 40.05%; N 15.82%
Use/Importance: Used as 0.4m*M* soln. in MeOH for photometric detn. of Se
Physical Description: Needles (H_2O)
Melting Point: Mp 162-163°
Solubility: Sol. MeOH
pKa Value: pK_{a1} 3.39; pK_{a2} –0.82 (25°, μ 2.0*M*)

Aldrich: D7160-7
Fluka: 36214
Sigma: D2519

>>**Derivative:** Hydrochloride

Physical Description: Plates ($EtOH/Et_2O$)
Melting Point: Mp 200-220 dec.°
Boiling Point: $Subl._{0.2}$ 100°

>>**Derivative:** Hydrochloride (1:2)

CAS Registry Number: 72435-64-4
Physical Description: Plates
Melting Point: Mp 205-220 dec.°

>>**Derivative:** 1,2-*N*-Dibenzoyl

Molecular Formula: $C_{20}H_{14}Cl_2N_2O_2$
Molecular Weight: 385.248
Accurate Mass: 384.043232
Percentage Composition: C 62.35%; H 3.66%; Cl 18.41%; N 7.27%; O 8.31%
Physical Description: Needles or prisms
Melting Point: Mp 257°

References:

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